



Compaq Prosignia

Specifications

Processor

- Intel 486DX/33, 486DX2/66, Pentium 5/60

Memory

- 8/16MB standard, expands to 128/144MB

I/O Expansion Slots

- 7 total slots-8/16/32bit EISA bus master slots

Diskette Drive

- 1-3.5" 1.44 diskette drive

Integrated Features

- 2-Serial, parallel, pointing device port, 32-bit Fast SCSI-2 network, integrated graphics 1024x768, 387 coprocessor

Internal Expansion Bays

- Supports up to 8 mass storage devices

I/O Architecture (Buses supported)

- 486 systems: 32-bit EISA, 586 system: TriFlex/PC

Power Supply

- 486 systems: 240 watt, 586 system: 300 watt

Diagnostics

- Normal Post Diags performed on Power UP of system.
- For Advanced Diags use Diskette version 9.0
- Troubleshoot according to errors found during test

Tools And Software Requirements

- Torx T-15 screwdriver
- Ethernet loop back plug
- EISA configuration software
- Diagnostics and formatted blank diskettes
- Drive Array advanced diagnostics software
- Anti-static wrist strap

Switch Settings

System Boards 002810/002813

SW4 Switch Settings

486DX/33 or 486DX2/66 Processors

SW	Position	Function
S1	ON	Reserved
S2	OFF	Reserved
S3	ON	Reserved

SW2 Switch Settings

SW	Position	Function
S1	OFF*	Turns on integrated video
	ON	Turns off integrated video
S2	OFF*	Unlocks system configuration
	ON	Locks system configuration
S3	OFF*	Reserved
S4	OFF*	Dskt drv. boot drv EISA config
	ON	Diskt drv. boot, not EISA config.
S5	OFF*	Turns on password
	ON	Turns off password
S6	OFF*	Configuration is not erased
	ON	Configuration is erased

* Default

Jumper Settings For SCSI ID

Device Bay #	SCSI ID	ID2	ID1	ID0
7	N/A	N/A	N/A	N/A
6	6	ON	ON	ON
5	5	ON	OFF	ON
4	4	ON	OFF	OFF
3	3	OFF	ON	ON
2	2	OFF	ON	OFF
1	1	OFF	OFF	ON
0	0	OFF	OFF	OFF

Removal Procedures

Before beginning removal complete the following:

1. Turn off the computer and any peripheral devices.
2. Disconnect AC power cord from the outlet/system.
3. Disconnect all peripheral devices.

System Cover

Warning: High voltage is present, use caution when running the Prosignia without the system cover on.

1. Loosen 3 thumb screws on back
2. Slide side access door back and then out
3. Remove front bezel holding screw, there's only 1
4. Unscrew 4-Torx T-15 screws at back panel
5. Slide system unit cover backward then up

Field Replaceable Units

Memory	Assembly	OEM Part	IBM Part
1MB 70ns mod.	118666-004	141752-001	22H0688
1MB 80ns mod.	118666-002	118740-001	93F7236
2MB 70ns mod.	118667-004	141753-001	20H8474
2MB 80ns mod.	118667-002	113923-001	93F7280
4MB 70ns mod.	118665-004	141754-001	20H6294
4MB 80ns mod.	115665-002	118741-001	93F7237
8MB 70ns mod.	129041-002	141755-001	90G7098
8MB 80ns mod.	129041-001	128954-001	93F7238
16MB 70ns mod.	137143-003	149947-001	90G7101
16MB 80ns mod.	137143-002	139143-001	90G7880
32MB 70ns mod.	139973-002	149948-001	20H8476
32MB 80ns mod.	139973-001	139949-001	20H8554
256K cch(P5/60)	130826-001	190166-001	20H8532

Processor/Coprocessor Locations

Description	Processor	Coprocessor
486DX/33	U81	Integrated
486DX2/66	U81	Integrated

Controller Boards

Description	Assembly	OEM Part	IBM Part
32-bit Intel. Drv. Array	141932	136898-001	93F8346
Cache mem Acc.	002391	123784-001	20H8619
IDA-2 ROM cntrlr		143107-001	48H6693
Fast SCSI-2	002682	142040-001	90G6451
NetFlex contrlr TR	142035	142042-001	20H8555
NetFlex contrlr	002709	142041-001	20H8539
SMART contrlr bd.	002969	142130-001	20H8547
SMART contrlr bd.	003596	181132-001	20H8736
6260 SCSI-2 contrlr	004004	146993-001	90G6453
NetFlex-2 TR	003647	199521-001	20H8538
NetFlex-2 Dual TR		199539-001	61H9034
Server Manager/R *	001897	125726-001	93F8826

* Authorized resellers only, uses min. Revision W 001897

Internal Hard Drive

Size	Type	ROM	OEM Part	IBM Part
210 MB IDE ¹	51	091192	116805-001	93F8182
330 FastSCSI-2	N/A	N/A	142037-001	90G6450
340 MB IDE ¹	63	091192	139964-001	20H8552
510 MB IDE ¹	61	091192	139965-001	20H85523
550 FastSCSI-2 ²	N/A	N/A	142038-001	90G6449
1.05GB FSCSI-2 ²	N/A	N/A	142039-001	90G6448
2.1GB FastSCSI-2 ³	N/A	N/A	142272-001	20H8577

¹ For IDE assembly 002810/002813,

² For SCSI assembly 002760/002816,

³ For SCSI assembly 002760/002816 and needs a thermal upgrade kit.

Hard Drive Array Pairs

Description	Pairs	OEM Part	IBM Part
Drive size/array	210MB/420MB	116805-001	93F8182
	340MB/680MB	139964-001	20H8552
	510MB/1.02GB	139965-001	20H8553

System Bds	Assembly	OEM Part	IBM Part
486DX/33 IDE	003155-001	149339-001	20H8527
	002810-102	143778-001	20H8542
486DX/33 SCSI	003152-001	149338-001	20H8528
	002760-102	143779-001	20H8540
P5/60 SCSI	003311	190159-001	20H8531
486DX2/66 IDE	003161-001	149336-001	20H8530
	002813-102	143780-001	20H8543
486DX2/66 SCSI	003158-001	149340-001	20H8529
	002816-102	143781-001	20H8541

Diskette Drives	OEM Part	IBM Part
360KB	112567-001	93F7106
1.2MB	112566-001	93F7252
1.44MB	144207-001	20H8548

Video Boards	Assembly	OEM Part	IBM Part
QVision 1024/E*	001924	126654-001	93F8348

* Model 340/W only

Tape Drives	OEM Part	IBM Part
525MB ACA	142073-001	90G6447
2/8GB DAT	142074-001	20H8559
4/16GB TurboDat	199464-001	20H8549
Internal TurboDat Autoloader	199466-001	20H8551

Miscellaneous	Assembly	OEM Part	IBM Part
Speedpaq 144/I	003002	147453-001	55H1777
power supply		144206-001	20H8556
power supply (P5/60)	190144-001	20H8557	
Battery/clock mod.		149344-001	20H8525

Cables	OEM Part	IBM Part
Diskette drive signal ^{1,2}	143706-001	61H8930
SCSI-2 device cntrlr signal	143716-001	48H6710
SCSI 7-device cntrlr fast SCSI-2	143795-002	52HH735
SCSI 7-device cntrlr	144277-001	48H6732
SCSI 7-device int. signal	142160-001	48H6667
Dual IDE HD signal	143707-001	66H7212
Tape signal cable(uses SCSI)		

System ROM

ROMPaq (OEM Part: 143198-001, IBM Part: 20H8731)

Revision	Number on ROM
091192	144218-003
092292	144218-004
040893	148509-002
2.10A	ROMPaq
101493	144218-008

Expanded Memory Upgrade Chart #1

Std.	Socket1	Socket2	Socket3	Socket4	Total RAM
4MB	4MB				8MB
4MB	4MB	4MB			12MB
4MB	8MB	4MB			16MB
4MB	16MB	4MB			24MB
4MB	32MB				36MB
4MB	32MB	16MB			52MB
4MB	32MB	16MB	8MB		60MB
4MB	32MB	32MB			68MB
4MB	32MB	32MB	8MB		76MB
4MB	32MB	32MB	16MB		84MB
4MB	32MB	32MB	16MB		92MB
4MB	32MB	32MB	32MB		100MB
4MB	32MB	32MB	32MB	16MB	116MB
4MB	32MB	32MB	32MB	32MB	128MB*

Expanded Memory Upgrade Chart #2

Std.	Socket1	Socket2	Socket3	Socket4	Total RAM
8MB	4MB				12MB
8MB	8MB				16MB
8MB	16MB				24MB
8MB	16MB	8MB	4MB		36MB
8MB	32MB				40MB
8MB	32MB	16MB			56MB
8MB	32MB	16MB	8MB		64MB
8MB	32MB	32MB			72MB
8MB	32MB	32MB	16MB		88MB
8MB	32MB	32MB	32MB		104MB
8MB	32MB	32MB	32MB	8MB	112MB
8MB	32MB	32MB	32MB	16MB	120MB
8MB	32MB	32MB	32MB	32MB	128MB*

* The standard RAM on system board will be ignored if all 4 SIMM sockets have 32MB SIMMS installed.